

## ABSTRACT

### **Method for selecting a transmission channel in a TDMA (Time Division Multiple Access) and communication system using such a method**

The present invention relates to a method of selecting transmission channels in a time data multiple access protocol and to a communication system using the method of the invention.

Based on indications of transmission quality ( $C_i(t-k)$ ) of each channel, stored during a time window ( $T$ ), the method consists in selecting ( $S_6$ ) one channel that has the best current transmission quality indication position ( $P_i$ ) relative to those stored during the time window ( $T$ ). This method can be used to take advantage of independent variations in the quality of transmission of each channel while providing equitable access to the transmission resource.

Figure 4